

INFORMATION DISCLOSURE STATEMENT

Applicant : Babcook et al.
App. No : 10/727,155
Filed : December 2, 2003
For : ANTIBODIES DIRECTED TO
TUMOR NECROSIS FACTOR AND
USES THEREOF
Examiner : Skelding, Zachary S.
Art Unit : 1644

CERTIFICATE OF MAILING

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November 28, 2006

(Date)

Brent C. Moore, Reg. No. 55,461

Mail Stop RCE

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing 210 references to be considered by the Examiner. Also enclosed are 22 foreign patent references and/or non-patent literature as listed on the Information Disclosure Statement.

This Information Disclosure Statement is being filed before the mailing date of a final action and before the mailing of a Notice of Allowance. This Statement is accompanied by the fees set forth in 37 C.F.R. § 1.17(p). The Commissioner is hereby authorized to charge any additional fees which may be required or to credit any overpayment to Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: November 28, 2006

By:

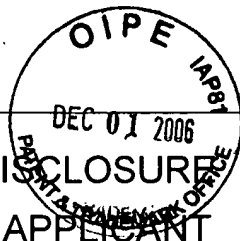
Brent C. Moore

Registration No. 55,461

Agent of Record

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

	Application No.	10/727155
	Filing Date	December 2, 2003
	First Named Inventor	John Babcock
	Art Unit	1644
(Multiple sheets used when necessary)	Examiner	Zachary S. Skelding
SHEET 1 OF 8	Attorney Docket No.	ABGENIX.073A

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	4,309,418	01-05-1982	Green, Saul	
	2	4,390,468	06-28-1983	Sasaki et al.	
	3	4,447,355	05-08-1984	Sakamoto et al.	
	4	4,457,916	07-03-1984	Hayashi et al.	
	5	4,495,282	01-22-1985	Ohnishi et al.	
	6	4,529,594	07-16-1985	Hayashi et al.	
	7	4,603,106	07-29-1986	Cerami et al.	
	8	4,650,674	03-17-1987	Aggarwal et al.	
	9	4,656,132	04-07-1987	Ben-Bassat et al.	
	10	4,677,063	06-30-1987	Mark et al.	
	11	4,677,064	06-30-1987	Mark et al.	
	12	4,677,197	06-30-1987	Lin et al.	
	13	4,678,773	07-07-1987	Usami et al.	
	14	4,684,623	08-04-1987	Larrick et al.	
	15	4,736,020	04-05-1988	Hillen et al.	
	16	4,770,995	09-13-1988	Rubin et al.	
	17	4,777,241	10-11-1988	Irikura et al.	
	18	4,777,242	10-11-1988	Nelles, Lynn P.	
	19	4,791,101	12-13-1988	Adolf, Gunther	
	20	4,822,605	04-18-1989	Power, Maxwell M.	
	21	4,822,776	04-18-1989	Cerami et al.	
	22	4,863,727	09-05-1989	Zimmerman et al.	
	23	4,870,163	09-26-1989	Rubin et al.	
	24	4,871,663	10-03-1989	Oshima et al.	
	25	4,879,226	11-07-1989	Wallace et al.	
	26	4,880,915	11-14-1989	Kajihara et al.	
	27	4,894,225	01-16-1990	Zimmerman, Robert	
	28	4,894,334	01-16-1990	Ben-Bassat et al.	
	29	4,894,439	01-16-1990	Dorin et al.	

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U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	30	4,900,724	02-13-1990	Kato et al.	
	31	4,948,875	08-14-1990	Tanaka et al.	
	32	4,990,455	02-05-1991	Yamagishi et al.	
	33	5,002,876	03-26-1991	Sreekrishna et al.	
	34	5,028,420	07-02-1991	Masegi et al.	
	35	5,043,271	08-27-1991	Yamada et al.	
	36	5,059,530	10-22-1991	Oshima et al.	
	37	5,075,236	12-24-1991	Yone et al.	
	38	5,081,021	01-14-1992	Mizuno et al.	
	39	5,110,913	05-05-1992	Coan et al.	
	40	5,158,871	10-27-1992	Rossomando et al.	
	41	5,160,483	11-03-1992	Postlethwaite et al.	
	42	5,162,430	11-10-1992	Rhee et al.	
	43	5,180,811	01-19-1993	Doerper et al.	
	44	5,182,196	01-26-1993	Allet et al.	
	45	5,183,657	02-02-1993	Buurman, Wim	
	46	5,215,743	06-01-1993	Singh et al.	
	47	5,223,395	06-29-1993	Eva J. Gero	
	48	5,223,408	06-29-1993	Goeddel et al.	
	49	5,231,024	07-27-1993	Moeller et al.	
	50	5,247,070	09-21-1993	Yamada et al.	
	51	5,252,479	10-12-1993	Srivastava, Arun	
	52	5,256,769	10-26-1993	Kato et al.	
	53	5,262,309	11-16-1993	Nakamura et al.	
	54	5,278,284	01-11-1994	Lusk et al.	
	55	5,288,852	02-22-1994	Yamada et al.	
	56	5,324,655	06-28-1994	Kriegler et al.	
	57	5,334,380	08-02-1994	Kilbourn et al.	
	58	5,360,716	11-01-1994	Ohmoto et al.	

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	59	5,395,760	03-07-1995	Smith et al.	
	60	5,422,104	1995-06-06	Fiers et al	
	61	5,425,940	1995-06-20	Zimmerman et al.	
	62	5,436,154	1995-07-25	Barbanti et al..	
	63	5,447,851	1995-09-05	Beutler et al.	
	64	5,474,930	1995-12-12	David W. Barnes	
	65	5,486,463	1996-01-23	Lesslauer et al.	
	66	5,487,984	1996-01-30	Allet et al.	
	67	5,504,005	04-02-1996	Bloom et al.	
	68	5,510,121	04-23-1996	Rhee et al.	
	69	5,519,119	05-21-1996	Yamada et al.	
	70	5,593,858	01-14-1997	Fleer et al.	
	71	5,597,899	01-28-1997	Banner et al.	
	72	5,602,025	02-11-1997	David W. Barnes	
	73	5,606,023	02-25-1997	Chen et al.	
	74	5,616,321	04-01-1997	Hector et al.	
	75	5,626,843	05-06-1997	Skurkovich et al.	
	76	5,627,052	05-06-1997	John W. Schrader	
	77	5,633,145	05-27-1997	Feldmann et al.	
	78	5,633,146	05-27-1997	Fleer et al.	
	79	5,635,399	06-03-1997	Kriegler et al.	
	80	5,641,670	06-24-1997	Treco et al.	
	81	5,644,034	07-01-1997	Rathjen et al.	
	82	5,650,150	07-22-1997	Stephen D. Gillies	
	83	5,652,130	07-29-1997	Kriegler et al.	
	84	5,652,353	07-29-1997	Fiers et al.	
	85	5,653,974	08-05-1997	Jung et al.	
	86	5,654,407	08-05-1997	Boyle et al.	
	87	5,656,272	08-12-1997	Le et al.	

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U.S. PATENT DOCUMENTS					
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	88	5,658,570	08-19-1997	Newman et al.	
	89	5,658,803	08-19-1997	George Kuo	
	90	5,672,347	09-30-1997	Aggarwal et al.	
	91	5,672,510	09-30-1997	Eglitis et al.	
	92	5,677,182	10-14-1997	Kriegler et al.	
	93	5,679,260	10-21-1997	Boos et al.	
	94	5,686,259	11-11-1997	Kriegler et al.	
	95	5,698,195	12-16-1997	Le et al.	
	96	5,698,419	12-16-1997	Wolpe et al.	
	97	5,700,466	12-23-1997	Wolpe et al.	
	98	5,702,705	12-30-1997	Kriegler et al.	
	99	5,705,364	01-06-1998	Etcheverry et al.	
	100	5,733,742	03-31-1998	John Landon	
	101	5,741,488	04-21-1998	Feldman et al.	
	102	5,750,373	05-12-1998	Garrard et al.	
	103	5,753,499	05-19-1998	Meruelo et al.	
	104	5,763,733	06-09-1998	Whitlow et al.	
	105	5,773,582	06-30-1998	Shin et al.	
	106	5,795,967	08-18-1998	Aggarwal et al.	
	107	5,821,047	10-13-1998	Garrard et al.	
	108	5,833,975	11-10-1998	Paoletti et al.	
	109	5,837,242	11-17-1998	Holliger et al.	
	110	5,849,586	12-15-1998	Kriegler et al.	
	111	5,866,131	02-02-1999	Ramshaw et al.	
	112	5,866,136	02-02-1999	Ramshaw et al.	
	113	5,874,077	02-23-1999	Kriegler et al.	
	114	5,876,691	03-02-1999	Chester et al.	
	115	5,877,302	03-02-1999	Hanson et al.	
	116	5,885,793	03-23-1999	Griffiths et al.	

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	117	5,888,814	03-30-1999	Kriegler et al.	
	118	5,889,156	03-30-1999	Kriegler et al.	
	119	5,891,679	04-06-1999	Lucas et al.	
	120	5,895,649	04-20-1999	De Lacharriere et al.	
	121	5,917,123	06-29-1999	McTiernan et al.	
	122	5,919,452	07-06-1999	Le et al.	
	123	5,958,409	09-28-1999	Turk et al.	
	124	5,859,413	01-12-1999	Kim et al.	
	125	5,959,085	09-28-1999	Garrone et al.	
	126	5,959,087	09-28-1999	Rathjen et al.	
	127	5,965,379	10-12-1999	Tamarkin et al.	
	128	5,968,735	10-19-1999	Stein et al.	
	129	5,994,510	11-30-1999	Adair et al.	
	130	6,001,569	12-14-1999	Plevy et al.	
	131	6,015,558	01-18-2000	Hotamisligil et al.	
	132	6,015,557	01-18-2000	Tobinick et al.	
	133	6,022,737	02-08-2000	Niven et al.	
	134	6,028,106	02-22-2000	Garfield et al.	
	135	6,071,512	06-06-2000	Kriegler et al.	
	136	6,080,382	06-27-2000	Lee et al.	
	137	6,090,382	2000-07-18	Salfeld et al.	
	138	6,090,923	2000-07-18	Wallach et al.	
	139	6,099,847	08-08-2000	Tobin et al.	
	140	6,127,528	10-03-2000	Hirai et al.	
	141	6,136,599	10-24-2000	Cho, Myung-Sam	
	142	6,172,202	01-09-2001	Marcucci et al.	
	143	6,177,077	01-23-2001	Tobinick, Edward L.	
	144	6,193,969	02-27-2001	Landon et al.	
	145	6,207,153	03-27-2001	Dan et al.	

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	146	6,210,963	04-03-2001	Haddada et al.	
	147	6,217,912	04-17-2001	Park et al.	
	148	6,218,180	04-17-2001	Kurtzman et al.	
	149	6,232,446	05-15-2001	Wallach et al.	
	150	6,235,281	05-22-2001	Stenzel et al.	
	151	6,258,562	07-10-2001	Salfeld et al.	
	152	6,261,834	07-17-2001	Srivastava, Arun	
	153	6,262,239	07-17-2001	Wallach et al.	
	154	6,265,189	07-24-2001	Paoletti et al.	
	155	6,268,212	07-31-2001	Simonet, William Scott	
	156	6,270,766	08-07-2001	Feldman et al.	
	157	6,277,368	08-21-2001	Hiserodt et al.	
	158	6,277,969	08-21-2001	Le et al.	
	159	6,284,471	09-04-2001	Le et al.	
	160	6,284,519	09-04-2001	Young et al.	
	161	6,287,588	09-11-2001	Shih et al.	
	162	6,309,640	10-30-2001	Cerami et al.	
	163	6,315,999	11-13-2001	Sadoff et al.	
	164	6,346,274	02-12-2002	Koll et al.	
	165	6,379,924	2002-04-30	Darrell Sleep	
	166	6,399,331	2002-06-04	Mather et al.	
	167	6,407,218	2002-06-18	Tamarkin et al.	
	168	6,410,033	2002-06-25	Cochran, Mark D.	
	169	6,416,757	2002-07-09	Rathjen et al.	
	170	6,419,927	2002-07-16	Cerami et al.	
	171	6,440,693	2002-08-27	Hauptmann et al.	
	172	6,448,380	2002-09-10	Rathjen et al.	
	173	6,451,983	2002-09-17	Rathjen et al.	
	174	6,455,045	2002-09-24	Zagury et al.	

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	175	6,476,214	11-05-2002	Eagles et al.	
	176	6,479,652	11-12-2002	Crameri et al.	
	177	6,492,123	12-10-2002	Holliger et al.	
	178	6,498,237	12-24-2002	Rathjen et al.	
	179	6,503,499	01-07-2003	Meruelo et al.	
	180	6,509,015	01-21-2003	Salfeld et al.	
	181	6,518,239	02-11-2003	Kuo et al.	
	182	6,524,572	02-25-2003	Yibing Li	
	183	6,524,856	02-25-2003	Pati et al.	
	184	6,531,120	03-11-2003	Kurt R. Gehlsen	
	185	6,534,263	03-18-2003	Plevy et al.	
	186	6,534,323	03-18-2003	Sabbadini, Roger	
	187	6,537,594	03-25-2003	Paoletti et al.	
	188	6,541,610	04-01-2003	Craig A. Smith	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	189	EP 0350690	01-17-1990	Moeller et al.		Abstract
	190	EP 0791360	08-27-1997	Jesmok et al.		
	191	WO 96/08516	03-21-1996	Osther et al.		
	192	WO 97/29131	08-14-1997	Salfeld et al.		
	193	WO 01/00229	01-04-2001	J. Timothy Keane		
	194	WO 01/30369	05-03-2001	Giovino et al.		
	195	WO 01/37874	05-13-2001	David J. Shealy		
	196	WO 01/43773	06-21-2001	Lee et al.		
	197	WO 01/58473	08-16-2001	Friedrichs et al.		
	198	WO 01/94585	12-13-2001	Athwal et al.		
	199	WO 02/12502	02-14-2002	Giles-Komar et al.		

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SHEET 8 OF 8	Attorney Docket No.	ABGENIX.073A

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	200	Enbrel® (etanercept) package insert. Document No. 10662-10. Immunex Corporation. Pages 1-28. 2002.	
	201	Griffiths et al. "Human anti-self antibodies with high specificity from phage libraries." <i>The EMBO Journal</i> . 12(2):725-734 (1993).	
	202	Hove et al. "Infliximab Treatment Induces Apoptosis of Lamina Propria T Lymphocytes in Crohn's Disease." <i>Gut</i> . 50:206-211 (2002).	
	203	Jespers et al. "Guiding the selection of human antibodies from phage display repertoires to a single epitope of an antigen." <i>Biotechnology</i> . 12:899-903 (1994).	
	204	Möller et al. "Monoclonal antibodies to human tumor necrosis factor α : In vitro and in vivo application." <i>Cytokine</i> . 2(3):162-169 (1990).	
	205	Remicade® Infliximab Recombinant for IV injection package insert. Revised March 2002.	
	206	Santora et al. "Characterization of Noncovalent Complexes of Recombinant Human Monoclonal Antibody and Antigen Using Cation Exchange, Size Exclusion Chromatography, and BIAcore." <i>Analytical Biochemistry</i> . 299:119-129 (2001).	
	207	Scallan et al. "Binding and Functional Comparisons of Two Types of Tumor Necrosis Factor Antagonists." <i>The Journal of Pharmacology and Experimental Therapeutics</i> . 301(2):418-426 (2002)/	
	208	Scallan et al. "Chimeric Anti-TNF- α Monoclonal Anti-Body cA2 Binds Recombinant Transmembrane TNF- α and Activates Immune Effector Functions." <i>Cytokine</i> . 7(3):251-259 (1995).	
	209	Siegel et al. "The Mouse/Human Chimeric Monoclonal Antibody cA2 Neutralizes TNF In Vitro and Protects Transgenic Mice from Cachexia and TNF Lethality In Vivo." <i>Cytokine</i> . 7(1):15-25 (1995).	
	210	Tracey et al. "Anti-cachetin/TNF monoclonal antibodies prevent septic shock during lethal bacteraemia." <i>Nature</i> . 330:662-664 (1987).	

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